

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please amend the claims as follows:

1. (Currently Amended) A method, comprising:

~~a)-~~sending ATM source identification and an ATM-TDM correlation tag from an ATM source gateway to a telephony signaling control network;

~~b)-~~receiving at an ATM destination gateway said ATM source identification and said ATM-TDM correlation tag sent from said telephony signaling control network; and

~~c)-~~sending said ATM-TDM correlation tag from said ATM destination gateway to said ATM source gateway to establish a connection between said ATM destination gateway and said ATM source gateway;

sending notification of a call from said telephony signaling control network to said ATM source gateway before said ATM source identification and said ATM-TDM correlation tag are sent to said telephony signaling control network, said notification further identifying which TDM time slot said call will be carried over, said TDM time slot on an trunk line that couples said ATM source gateway to a first telephony network; and,

after receiving said ATM-TDM correlation tag at said ATM source gateway, reflecting within a mapping table of said ATM source gateway that a VPI/VCI

address received in a SETUP message with said ATM-TDM correlation tag  
corresponds to said TDM time slot.

2. (Canceled)
3. (Original) The method of claim 2 wherein said ATM source gateway generates said ATM-TDM correlation tag in response to said notification.
4. (Original) The method of claim 3 wherein said ATM-TDM correlation tag is a random number.
5. (Original) The method of claim 2 wherein said notification identifies which trunk line said call will be carried over, said trunk line coupling said ATM source gateway to a first telephony network.
6. (Canceled).
7. (Canceled).
8. (Original) The method of claim 1 wherein said sending said ATM-TDM correlation tag further comprises sending a SETUP message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.

9. (Original) The method of claim 8 further comprising sending a CONNECT message within said ATM network in a second direction from said ATM source gateway to said ATM destination gateway after said SETUP message has been received at said ATM source gateway.

10. (Original) The method of claim 1 wherein said sending said ATM-TDM correlation tag further comprises sending a ERQ message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.

11. (Original) The method of claim 10 further comprising sending a ECF message within said ATM network in a second direction from said ATM source gateway to said ATM destination gateway after said ERQ message has been received at said ATM source gateway.

12. (Original) The method of claim 1 further comprising sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot within a trunk line said call will be carried over, said trunk line coupling said ATM destination gateway to a telephony network.

13. (Original) The method of claim 12 further comprising updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

14. (Original) The method of claim 1 further comprising sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot said call will be carried over.

15. (Original) The method of claim 12 further comprising updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

16. – 42 (Canceled).

43. (New) A method, comprising:

    sending ATM source identification and an ATM-TDM correlation tag from an ATM source gateway to a telephony signaling control network;

    receiving at an ATM destination gateway said ATM source identification and said ATM-TDM correlation tag sent from said telephony signaling control network; and

    sending said ATM-TDM correlation tag from said ATM destination gateway to said ATM source gateway to establish a connection between said ATM destination gateway and said ATM source gateway;

    sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot within a trunk line said call will be carried over, said trunk line coupling said ATM destination gateway to a telephony network; and,

updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

44. (New) The method of claim 43 further comprising sending notification of a call from said telephony signaling control network to said ATM source gateway before said ATM source identification and said ATM-TDM correlation tag are sent to said telephony signaling control network, said notification further identifying which TDM time slot said call will be carried over, said TDM time slot on an trunk line that couples said ATM source gateway to a first telephony network.

45. (New) The method of claim 43 wherein said ATM source gateway generates said ATM-TDM correlation tag in response to said notification.

46. (New) The method of claim 45 wherein said ATM-TDM correlation tag is a random number.

47. (New) The method of claim 45 wherein said notification identifies which trunk line said call will be carried over, said trunk line coupling said ATM source gateway to a first telephony network.

48. (New) A method, comprising:

sending ATM source identification and an ATM-TDM correlation tag from an ATM source gateway to a telephony signaling control network;

receiving at an ATM destination gateway said ATM source identification and said ATM-TDM correlation tag sent from said telephony signaling control network; and

sending said ATM-TDM correlation tag from said ATM destination gateway to said ATM source gateway to establish a connection between said ATM destination gateway and said ATM source gateway;

sending, from said telephony signaling control network to said ATM destination gateway, which TDM time slot within a trunk line said call will be carried over, said trunk line coupling said ATM destination gateway to a telephony network;

updating a mapping table within said ATM destination gateway to reflect that a cell with a particular VPI/VCI corresponds to information carried over said TDM time slot.

49. (New) The method of claim 48 wherein said sending said ATM-TDM correlation tag further comprises sending a SETUP message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.

50. (New) The method of claim 49 further comprising sending a CONNECT message within said ATM network in a second direction from said ATM source gateway to said ATM destination gateway after said SETUP message has been received at said ATM source gateway.

51. (New) The method of claim 48 wherein said sending said ATM-TDM correlation tag further comprises sending a ERQ message within an ATM network in a direction from said ATM destination gateway to said ATM source gateway.